Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Friday 20 Jan 2023 until 23:59 on Saturday 21 Jan 2023

Forecast Issued on Thursday 19 Jan 2023 at 12:38

Confidence: High becoming Medium in details from Sunday.

Headline for Friday 20 Jan 2023: A lovely winter's day.

Mountain weather hazards on Friday 20 Jan 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Clear night	Sunny	Sunny	Sunny	Clear night	Clear night
Precipitation probability							
00%	00%	00%	00%	00%	00%	00%	00%

Forecast for Friday 20 Jan 2023

Weather: Clear skies overnight leading to a cold, but lovely winter's day with sunny skies. A few shallow mist patches possible in the valleys. Remaining clear in the evening. Frost for much of the time, but a slight thaw on sunny slopes around the middle of the day. Some glare off any snow pack.

Chance of cloud-free hill tops above 800m: 90% or more.

Low cloud and visibility: No significant cloud. Visibility very good or excellent.

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Forecast for Friday 20 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	23/28 NW	21/26 NW	21/26 N	17/21 N	13/16 NE	8/10 NE	8/11 E	10/13 SE	12/16 SE
600	15/23 NW	14/21 NW	14/18 NW	10/14 N	7/11 N	6/8 NE	7/9 E	8/12 SE	12/17 S
300	5/19 NW	5/18 NW	4/16 NW	5/13 N	3/10 N	2/7 NE	4/7 NE	5/10 SE	6/13 SE
Valley	9/22 NW	8/20 NW	6/16 NW	4/12 N	4/10 N	3/7 NE	5/8 NE	2/6 SE	3/10 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-3/-11	-4/-12	-4/-12	-4/-11	-2/-8	-2/-6	-3/-8	-3/-8	-4/-10
600	-2/-8	-3/-9	-3/-9	-3/-8	-1/-4	-0/-3	-2/-6	-2/-7	-2/-8
300	0/-3	-1/-4	-2/-4	-1/-4	2/-0	0/-1	-2/-5	-3/-6	-2/-5
Valley	3/-1	2/-1	2/-1	2/-0	4/2	4/2	1/-1	-0/-2	1/-2
Freezing Level*	400m	300m	200m	200m	400m	400m	300m	300m	300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A great day to enjoy the fells, although it could by icy underfoot. The valley temperatures could be lower with a frost.

Forecast for Saturday 21 Jan 2023

Weather: Clear and frosty overnight, perhaps some freezing fog patches forming in the valleys. This will lead to another dry and bright day, the best of the sunshine in the morning, although winds and cloud increasing during the day. Some cloud could form around the summits from dusk.

Maximum wind: South 20 gusts 30mph around midday, increasing 25mph gusting 40mph later

Chance of cloud-free hill tops above 800m: 90% or more, falling 30% in the evening.

Low cloud and visibility: Nil significant cloud much or all of daylight hours, but becoming occasional or extensive, base 600 to 900m in the evening. Visibility very good, except in freezing fog and summit cloud.

Temperature: **Valleys:** Minus 6 Celsius rising to Plus 4 Celsius
At 800m: Minus 4 Celsius rising to Zero Celsius
Freezing level: All levels rising 300 to 600m during the day

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Ground Conditions Supplement

Date: Thursday 19 January, Location: Helvellyn summit at 15:15. Full report: Very similar conditions on the Lake District fells to the last few days with winter still very much holding sway. There is sprinkling of snow down to valley level especially on shady northern aspects. Below 400m there is a lot of ice where the snow pack has thawed and refrozen or where runoff has frozen on paths. Above this altitude the paths are drier but the snow increases in depth. In many areas above 700m the new snow is lying over older firm and icy snow. The NW winds are continuing to move the soft fresh snow around and redistribute it on the S through E aspects. Drifts in this area were up to knee deep but generally the snow cover was around boot depth. Soft windslab and areas with a non weight bearing crust were also evident on these lee slopes. Many popular routes are becoming firm and icy where walkers feet have compressed the snow. Currently microspikes and trekking poles are very useful for even low level valley walks. Striding & Swirral Edges and other exposed routes are in full winter condition and an ice axe, crampons and the appropriate experience are essential for a safe and enjoyable climb and descent. They are also strongly recommended for 'easier' routes with even the Swirls path proving challenging in microspikes today. With summit temperatures of -3 degrees C and a wind chill of -13 full winter clothing including hat and gloves, a map and compass, headtorch, goggles and stiff winter boots are all essential items of kit for anyone venturing on to the fells. Climbers: the snowpack is generally very soft so please check that routes are in condition before attempting them to avoid damage to rare alpine habitats. Please see the BMC “White Guide” for details and have a look at the Helvellyn and Great End online temperature gauges. Temperature: minus 3.5C, Maximum wind speed 24.1mph, Wind chill: minus 13.5C, Average wind speed: 13.0mph.

Issued at: 1238 on Thu 19 Jan 2023

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